

What is claimed is:

1. Method for monitoring goods with each good being allocated a transponder having a transmitting/receiving module and a communication unit being provided for one of the transport means, that serves a wireless bi-directional communication with transponders, characterized by the following procedural steps:
 - A Influence variables on a good are recorded in each allocated transponder with a connected sensor means;
 - B The transponders communicates the recorded influence variables to each other through their transmitting/receiving modules; and
 - C One of the transponders transmits all of the influence variables recorded by the transponders to an allocated communication unit through its transmitting/receiving module.
2. Method in accordance with claim 1, characterized in that, individual goods are located in containers and a transponder allocated to a container and in procedural step A the influence variables on the container and/or on the goods contained in container are recorded.
3. Method in accordance with claim 1, characterized in that, in procedural step B the transponders form an ad-hoc network.
4. Method in accordance with one of claim 1, characterized in that for the procedural step C the transponder that communicates to the communication unit all of the influence variables recorded by the transponders is determined from messages transmitted from the communication unit to the transponders on the basis of the acknowledgment messages generated by these.
5. Method in accordance with claim 1, characterized in that by a procedural step D following procedural step C, according to which the allocated communication unit transmits all of the influence variables

communicated from one transponder to a remote center.

6. Method in accordance with one of claim 1, characterized in that, the current time is additionally recorded in procedural step A.
7. Method in accordance with claim 5, characterized in that, in procedure D location information originating from a locating unit is additionally communicated.
8. Method in accordance with claim 6, characterized in that, the particular locating information is stored in time intervals in the communication unit and in that in procedural step D the relevant locating information is communicated on the basis of the time allocation during the transmission of the complete influence variables.
9. Method in accordance with one of claim 1, characterized in that, in procedure step C, after successful transmission of all of the recorded influence variables one transponder sends a message to the other transponders on the basis of which the influence variables still recorded in the transponders are deleted.
10. Method in accordance with one of claim 1, characterized in that, in procedure step A, by means of sensor means one or more of the following influence variables is recorded as required.
 - Temperature
 - Air humidity
 - Acceleration
 - Electromagnetic field
 - Ionizing radiation
 - Chemical composition of the ambient air

- Opening of the container or of the good (1)
- Disconnection of an electrical connection during an attempted or successful removal of a from the container or good.